

# PATENT ABSTRACTS OF JAPAN

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## (54) RADIO LAN SYSTEM

### (57)Abstract:

PURPOSE: To efficiently transmit data by changing the size of the frame communicated at present in accordance with the error rate during communication and the state of a line to select an optimum frame size.

CONSTITUTION: When a radio frame is received, FCS is discriminated by a communication controller 104 to check whether the received frame has a data error or not. When it has no data errors, the classification of the received frame is discriminated by the controller 104; and when it instructs retraining, retraining is executed to determine the size of a new frame. if the frame size is not proper, communication with a terminal 109 is disconnected; and when a proper value is determined, the state of waiting for reception of radio frames is switched to. The size of radio frames is changed on the transmission side by the error rate during communication, and the throughput is prevented from being considerably degraded by retransmission of frames.

